

MHR-X75



Mobile Hydrogen Refueller – MHR-X75

Deploy hydrogen refuelling where your equipment operates.

The new refueller that's making hydrogen deployment possible anywhere

Introducing the HyKit® Mobile Hydrogen Refueller – MHR-X75, a new self-contained, mobile hydrogen refuelling station, designed to provide fast and convenient refuelling for hydrogen-powered vehicles, machinery and generators on site. With a 75kg total hydrogen capacity, our cutting-edge HyKit® Mobile Hydrogen Refueller brings high-capacity hydrogen refuelling directly to where it's needed. And unlike traditional hydrogen refuelling infrastructure that often requires centralised stations, the HyKit® Mobile Hydrogen Refueller eliminates reliance on fixed infrastructure and unlocks unparalleled operational flexibility.

Key features and benefits

Mobility & Flexibility

Fully mobile design with integrated trailer allows you to deploy refuelling capabilities anywhere, anytime.

High-Capacity Refuelling

75kg total hydrogen capacity, dispensing at 350 bar with efficient 10-15 minute refuelling times minimises downtime and maximises operational efficiency.

Advanced Safety Systems

Integrated safety features including leak detection, pressure monitoring and emergency shutdown systems, ensuring safe and reliable operation and meeting the highest industry standards.

Scalable & Modular Design

Modular components and customisable configurations meet diverse refuelling needs and help adapt to changing demands and future expansion, ensuring long-term investment value.

User-Friendly Interface

Intuitive touchscreen controls and real-time data monitoring simplify operation and maintenance and reduce training requirements.

Remote Monitoring and Diagnostics

Cloud connected systems provide remote monitoring and diagnostic capabilities, enabling proactive maintenance, reduced downtime and efficient operation.

Warranty

For added peace of mind, we offer a 12-month manufacturer's warranty for any component failure. T&Cs apply.

Total Support

HyKit offers an unbeatable support and service package including: scheduled maintenance programmes, spare parts and servicing, responsive technical support, operator training and onboarding, system optimisation and upgrades, as well as full UK on-site customer support from skilled service technicians compliant with Atex standards.



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Specifications

Capacity: 75 kg H2

Storage Pressure: 635 bar

Storage Volume: 2.01 m³

Refuelling Hose: H35 Nozzle

Usable Hydrogen (Generator): 70 kg

Usable Hydrogen (Vehicle*): 50 kg

Average Refuelling Time**: 10-15 minutes

Storage Architecture: 6 x Type IV Tubes

Filling Connection: H70 Receptacle

Mobility Lifting: Eyelets and JCB Quick-Hitch

Transport: 8 x MHR-X75 on 40' Flatbed Trailer,
1 x MHR-X75 on Single Trailer

Fixings: ISO Container Locks

Weight: 2,500 kg

Dimensions: (LWH) 2,990 x 1,200 x 2,251 mm

Certification: TPED, ADR, UK CDG

Ambient Temperature: -20°C to +46°C

Highest max laden mass: (121 kg N2 + upper tol)
is 2,756 kg (nominal tare mass is 2,500 kg).

*Capability to refuel 7 x 9.3 kg 350 bar vehicles to 95% State of Charge (SOC).

**Target average refuelling time of 10-15 minutes for 350 bar vehicles, less than 15 kg. Pricing on request. 3 months lead time.



Hydrogen. On Demand.

**Discuss your hydrogen deployment.
Contact us today at sales@hykit.com
or call 07442 380784**

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